

3

Docket No. G-091US04DIV  
Serial No. 09/992,600In the Claims

1-54. (Canceled)

55. (Currently amended) An isolated or purified serine carboxypeptidase (SCPhx) polypeptide:

- a) encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732);
- b) comprising amino acids -26 to 267 of SEQ ID NO: 4;
- c) comprising amino acids 1 to 267 of SEQ ID NO: 4;
- d) consisting of amino acids -26 to 267 of SEQ ID NO: 4; or
- e) consisting of amino acids 1 to 267 of SEQ ID NO: 4; or
- ~~f) comprising an amino acid sequence at least 90, 95, 96, 97, 98, or 99% identical to a polypeptide as set forth in a), b), c), d) or e).~~

56. (Previously presented) The isolated or purified SCPhx polypeptide of claim 55, wherein said polypeptide is encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732).

57. (Previously presented) The isolated or purified SCPhx polypeptide of claim 55, wherein said polypeptide comprises amino acids -26 to 267 of SEQ ID NO: 4.

58. (Previously presented) The isolated or purified SCPhx polypeptide of claim 55, wherein said polypeptide comprises amino acids 1 to 267 of SEQ ID NO: 4.

59. (Previously presented) The isolated or purified SCPhx polypeptide of claim 55, wherein said polypeptide consists of amino acids -26 to 267 of SEQ ID NO: 4.

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4

Docket No. G-091US04DIV  
Serial No. 09/992,600

60. (Previously presented) The isolated or purified SCPhx polypeptide of claim 55, wherein said polypeptide consists of amino acids 1 to 267 of SEQ ID NO:4.

61-65. (Canceled)

66 (Currently amended). A composition comprising a physiologically acceptable carrier and a serine carboxypeptidase (SCPhx) polypeptide:

- a) encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732);
- b) comprising amino acids -26 to 267 of SEQ ID NO: 4;
- c) comprising amino acids 1 to 267 of SEQ ID NO: 4;
- d) consisting of amino acids -26 to 267 of SEQ ID NO: 4; or
- e) consisting of amino acids 1 to 267 of SEQ ID NO:4; or
- f) ~~comprising an amino acid sequence at least 90, 95, 96, 97, 98, or 99% identical to a polypeptide as set forth in a), b), c), d) or e).~~

67. (Previously presented) The composition of claim 66, wherein said SCPhx polypeptide is encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732).

68. (Previously presented) The composition of claim 66, wherein said SCPhx polypeptide comprises amino acids -26 to 267 of SEQ ID NO: 4.

69. (Previously presented) The composition of claim 66, wherein said SCPhx polypeptide comprises amino acids 1 to 267 of SEQ ID NO: 4.

70. (Previously presented) The composition of claim 66, wherein said SCPhx polypeptide consists of amino acids -26 to 267 of SEQ ID NO: 4.

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5

Docket No. G-091US04DIV  
Serial No. 09/992,600

71. (Previously presented) The composition of claim 66, wherein said SCPhx polypeptide consists of amino acids 1 to 267 of SEQ ID NO:4.

72-76. (Canceled)

77. (Withdrawn-Currently amended) A method of making a serine carboxypeptidase (SCPhx) polypeptide, said method comprising:

a) providing a population of cells comprising a polynucleotide encoding a SCPhx polypeptide operably linked to a promoter, said SCPhx polypeptide:

- i) being encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732);
- ii) comprising amino acids -26 to 267 of SEQ ID NO: 4;
- iii) comprising amino acids 1 to 267 of SEQ ID NO: 4;
- iv) consisting of amino acids -26 to 267 of SEQ ID NO: 4; or
- v) consisting of amino acids 1 to 267 of SEQ ID NO:4; or
- vi) ~~comprising an amino acid sequence at least 90, 95, 96, 97, 98, or 99%~~  
identical to a polypeptide as set forth in i), ii), iii), iv) or v);

b) culturing said population of cells under conditions conducive to the production of said polypeptide within said cells; and

c) purifying said polypeptide from said population of cells.

78. (Withdrawn-Previously presented) The method of claim 77, wherein said polynucleotide is encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732).

79. (Withdrawn-Previously presented) The method of claim 77, wherein said polynucleotide encodes a polypeptide comprising amino acids -26 to 267 of SEQ ID NO: 4.

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6

Docket No. G-091US04DIV  
Serial No. 09/992,600

80. (Withdrawn-Previously presented) The method of claim 77, wherein said polynucleotide encodes a polypeptide comprising amino acids 1 to 267 of SEQ ID NO: 4.

81. (Withdrawn-Previously presented) The method of claim 77, wherein said polynucleotide encodes a polypeptide consisting of amino acids -26 to 267 of SEQ ID NO: 4.

82. (Canceled)

83. (Withdrawn-Previously presented) A method of binding a SCPhx polypeptide according to claim 55 to an antibody comprising contacting said antibody with said polypeptide under conditions in which said antibody can specifically bind to said polypeptide.

84. (Withdrawn-Previously presented) The method of claim 83, wherein said SCPhx polypeptide is encoded by an isolated polynucleotide comprising an open reading frame of the human cDNA of deposited clone 1000848582\_181-40-4-0-A11-F (ATCC PTA-2732).

85. (Withdrawn-Previously presented) The method of claim 83, wherein said SCPhx polypeptide comprises amino acids -26 to 267 of SEQ ID NO: 4.

86. (Withdrawn-Previously presented) The method of claim 83, wherein said SCPhx polypeptide comprises amino acids 1 to 267 of SEQ ID NO: 4.

87. (Withdrawn-Previously presented) The method of claim 83, wherein said SCPhx polypeptide consists of amino acids -26 to 267 of SEQ ID NO: 4.

88. (Withdrawn-Previously presented) The method of claim 83, wherein said SCPhx polypeptide consists of amino acids 1 to 267 of SEQ ID NO: 4.

89-93. (Canceled)

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